National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PERFACT RESEARCHERS PVT. LTD, 506-507, 5TH FLOOR, NN MALL, MANGALAM PLACE, SEC 3, ROHINI, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia (NH3)	IS-5182 Part 25
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Benzene	IS:5182 (Part 11)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Carbon monoxide (CO)	IS: 5182(Part 10)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Chlorine	IS: 5182(Part 19)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Ethyl Benzene	USEPA Method 17 or followed by Method 18
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Fluoride	IS 5182 Part 13
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead	IS: 5182(Part 22)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Methane	USEPA 0040 / USEPA Method 18
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel	IS 5182 Part 26
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Non Methane Hydrocarbon	USEPA 0040 followed by USEPA Method 18
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen	IS: 5182(Part 6)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone (O3)	IS-5182 Part 9
13	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter Size less than 10 µm (PM10)	IS: 5182(Part 23)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter Size less than 2.5 µm (PM2.5)	IS 5182 Part 24
15	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Acenaphthene	IS 5182 Part 12:
16	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Acenphthyne	IS 5182 Part 12:
17	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Anthracene	IS 5182 Part 12:

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18	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Benzo(a)Pyrene	IS 5182 Part 12:
19	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Benzo(ghi)perylene	IS 5182 Part 12:
20	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Benzo[a]anthracene	IS 5182 Part 12:
21	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Benzo[b]fluoranthene	IS 5182 Part 12:
22	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Benzo[k]fluoranthene	IS 5182 Part 12:
23	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Chrysene	IS 5182 Part 12:
24	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Dibenzo[a,h]anthracene	IS 5182 Part 12:
25	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Fluoranthene	IS 5182 Part 12:
26	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Fluorene	IS 5182 Part 12:
27	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Indeno(123-cd)Pyrene	IS 5182 Part 12:
28	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Naphthalene	IS 5182 Part 12:
29	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Phenanthrene	IS 5182 Part 12:
30	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	POLYCYCLIC AROMATIC HYDROCARBONS Pyrene	IS: 5182 (Part 12)
31	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur dioxide as SO2	IS: 5182 (Part- 2)
32	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Suspended particulate matter	IS: 5182 (Part 4)
33	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Toluene	IS:5182 (Part 11)

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34	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,1,1,2-Tetrachloroethane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
35	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,1,1-Trichloroethane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
36	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,1,2,2-Tetrachloroethane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
37	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,1,2-Trichloroethane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
38	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,1-Dichloro-1-propene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
39	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,1-Dichloroethane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
40	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,1-Dichloroethylene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)

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41	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,2,3-Trichlorobenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
42	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,2,3-Trichloropropane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
43	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,2,4-Trichlorobenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
44	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,2,4-Trimethylbenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
45	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,2-Dibromo-3-chloropropane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
46	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,2-Dibromoethane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
47	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,2-Dichlorobenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)

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48	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,2-Dichloroethane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
49	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,2-Dichloropropane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
50	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,3,5-Trimethylbenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
51	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,3-Dichlorobenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
52	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,3-Dichloropropane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
53	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 1,4-Dichlorobenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
54	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 2,2-Dichloropropane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)

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55	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 2-Chlorotoluene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
56	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) 4-Chlorotoluene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
57	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Bromobenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
58	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Bromochloromethane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
59	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Bromodichloromethane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
60	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Bromoform	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
61	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Butylbenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)

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62	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Carbon tetrachloride	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
63	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Chlorobenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
64	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Chloroform	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
65	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) cis-1,2-Dichloroethylene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
66	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) cis-1,3-Dichloropropene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
67	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Dibromochloromethane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
68	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Dibromomethane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)

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69	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Dichloromethane	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
70	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Hexachloro-1,3-butadiene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
71	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Isopropylbenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
72	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) p-Isopropyltoluene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
73	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Propylbenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
74	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) sec-Butylbenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
75	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) tert-Butylbenzene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)

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76	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Tetrachloroethylene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
77	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) trans-1,2-Dichloroethylene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
78	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) trans-1,3-Dichloropropene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
79	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Volatile Organic Compounds' (VOCs) Trichloroethylene	USEPA Method 17 (volatile organic sampling train) followed by method 18 (Determination of gaseous organic compounds by direct interface gas chromatography)
80	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Xylene	IS:5182 (Part 11)
81	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient noise	Sound pressure level	IS:9989
82	CHEMICAL- ATMOSPHERIC POLLUTION	Meterological parameters	Ambient temperature	SOP No. – PRPL/OP/073 (Part - 1) IMD & CPCB
83	CHEMICAL- ATMOSPHERIC POLLUTION	Meterological Parameters	Relative humidity	SOP No. PRPL/OP/076 (Part - 1) IMD & CPCB
84	CHEMICAL- ATMOSPHERIC POLLUTION	Meterological parameters	Wind Direction	SOP No. PRPL/OP/074 (Part-1) IMD & CPCB
85	CHEMICAL- ATMOSPHERIC POLLUTION	Meterological Parameters	Wind speed	SOP No. PRPL/OP/075 (Part - 1) IMD & CPCB
86	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise Levels	Sound pressure level	IS: 4758
87	CHEMICAL- ATMOSPHERIC POLLUTION	stack emission	Acid mist	USEPA Method-8
88	CHEMICAL- ATMOSPHERIC POLLUTION	stack emission	Ammonia(NH3)	IS: 11255 (Part-6)

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89	CHEMICAL- ATMOSPHERIC POLLUTION	stack emission	Carbon dioxide	IS: 13270
90	CHEMICAL- ATMOSPHERIC POLLUTION	stack emission	Carbon Disulphide (CS2)	IS: 11255 (Part-4)
91	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon monoxide	IS: 13270
92	CHEMICAL- ATMOSPHERIC POLLUTION	stack emission	Hydrogen Sulfide	IS-11255 (Part-4)
93	CHEMICAL- ATMOSPHERIC POLLUTION	stack emission	Oxides of Nitrogen	USEPA method 7b
94	CHEMICAL- ATMOSPHERIC POLLUTION	stack emission	Oxygen	IS: 13270
95	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate matter	IS: 11255 (Part-1)
96	CHEMICAL- ATMOSPHERIC POLLUTION	stack emission	Sulphur dioxide	IS: 11255 (Part-2)
97	CHEMICAL- ATMOSPHERIC POLLUTION	stack emission	Temperature	IS: 11255 (Part-3)
98	CHEMICAL- ATMOSPHERIC POLLUTION	stack emission	Total Fluoride	USEPA Method 13A
99	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Velocity	IS: 11255 (Part-3)
100	CHEMICAL- ATMOSPHERIC POLLUTION	stack emission	Volume of Flue Gas Discharge (Flow rate)	IS: 11255 (Part-3)
101	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Sediments	Available Chloride (as Cl)	Lab SOP No.010, dated: 30.06.2015 based on USDA M-13, Edition by L.A. Richards
102	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Sediments	Bicarbonate Alkalinity as (CaCO3)	Lab SOP no. 008 dated 30.06.2015 based on USDA M 61, edition by LA Richards
103	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Sediments	Colour	Munsell chart
104	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Sediments	Gypsum requirement	Lab SOP 009, Dated 30.06.2015 based on Soil Testing in India by Ministry of Agriculture, GOI

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105	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Sediments	Nitrate (as NO3)	Lab Sop no 15 Dated 08.07.2022 based on laboratory manual of soil & solid waste analysis by PK Behra
106	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Sediments	Organic Matter	IS: 2720 (Part xxii)
107	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Sediments	Phosphorus (available)	ISO 11263
108	CHEMICAL- POLLUTION & ENVIRONMENT	Soil / Sediments	Total Kjehldal Nitrogen	APHA 4500 NOrg-B, (Macro Kjehldal Method)
109	CHEMICAL- POLLUTION & ENVIRONMENT	Soil /Sediments	Electrical Conductivity	IS:14767
110	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Bulk Density	ISO :11272
111	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium as Ca	ISO:11260
112	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Clay	IS: 2720 (PART-4)
113	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Grain Size Analysis (Texture)	IS : 2720 (PART -4)
114	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Magnesium as Mg	ISO : 11260
115	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Moisture	IS: 2720 (PART -2)
116	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Porosity	USDA M 40, edition by LA Richards
117	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Potassium as K	ISO : 11260
118	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Sand	IS : 2720 (PART -4)
119	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Silt	IS: 2720 (PART- 4)
120	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Sodium Adsorption Ratio	IS:11624 (By Calculation)
121	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Sodium as Na	ISO : 11260

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122	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Water Holding Capacity	Lab SOP No. 25 Dated 18.09.2022 based on based on Soil Testing in India by Ministry of Agriculture, GOI
123	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Aluminium	Lab SOP No. 019 dated 1.1.2020 based on USEPA method 3050B
124	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Available Nitrogen	IS:14684
125	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Boron	Lab SOP No. 001 based on Soil Testing in India by Ministry of Agriculture, GOI
126	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Cadmium	USEPA 3050B
127	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Calcium Carbonate	IS: 2720 (Part 23)
128	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Cation Exchange capacity (CEC)	ISO:11260
129	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Lead	USEPA 3050B
130	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Manganese	USEPA 3050B
131	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	pH	IS: 2720 (Part-26)
132	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Phosphate (Total)	Lab Sop no 14, Dated 1.08.2022 based on laboratory manual of soil & solid waste analysis by PK Behra
133	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Potash Available	Lab SOP No. 016, Dated 30.06.2015 based on USEPA 3050B
134	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Sulphur (as S)+	Lab SOP No. 012, dated: 30.06.2015 based on Soil Testing in India by Ministry of Agriculture, GOI
135	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Total Soluble Solids	IS: 2720 (Part 21)
136	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Total Soluble Sulphate (as SO4)	IS:2720 (Part – 27)

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137	CHEMICAL- POLLUTION & ENVIRONMENT	Soils/ Sediments	Zinc	USEPA 3050B
138	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Acidity (as CaCo3)	APHA 2310 B, 23rd Edition (Titrimetric method)
139	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Alkalinity (CaCo3)	APHA 2320 B, 23rd Edition (Titrimetric method)
140	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Aluminium (Al)	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
141	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Aluminium (Al)	APHA 3500 Al -B, 23rd Edition (Colorimetric)
142	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Ammonical Nitrogen (NH-3)	APHA 4500 NH3-F, 23rd Edition (Phenate Method)
143	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Arsenic	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
144	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Biochemical Oxygen Demand (BOD @ 20°C for 5 days	APHA 5210 B, 23rd Edition Bio Assay (Titrimetric method)
145	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Biochemical Oxygen Demand (BOD @ 27°C for 3 days	IS: 3025 (P-44) Bio Assay method (Titrimetric method)
146	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Boron	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
147	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Boron	APHA 4500 B-C, 23rd Edition (Colorimetric)
148	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Bromide	APHA 4500 Br-B, 23rd Edition (Spectrophotometric)
149	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cadmium	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
150	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Calcium	APHA 3500 Ca-B, 23rd Edition (EDTA Titrimetric method)
151	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Carbon Dioxide	APHA 4500 CO2-C, 23rd Edition (By Calculation)
152	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Chemical Oxygen Demand	APHA 5220 B-C, 23rd Edition (Open & Closed reflux method)
153	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Chloride	APHA 4500 Cl-B, 23rd Edition (Argentometric method)

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154	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Chlorine Residual	APHA 4500 Cl-B, 23rd Edition (Titrimetric Method)
155	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Chromium (Cr) Hexavalent	APHA 3500 Cr- B, 23rd Edition (Colorimetric)
156	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Chromium (Cr) total	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
157	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Colour	APHA 2120 B, 23rd Edition (Colorimetric) Platinum Cobalt Visual Comparison
158	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Conductivity (Specific Conductance at 25°C)	APHA 2510 B, 23rd Edition (Electrometric)
159	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Copper	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
160	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	APHA 4500 O-C, 23rd Edition (Iodometric)
161	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Fixed Solid	APHA 2540 E, 23rd Edition (Gravimetric)
162	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Fluoride	APHA 4500 F-D, 23rd Edition (Colorimetric)
163	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Iodide	APHA 4500 I-B, 23rd Edition (Colorimetric)
164	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Iron (Fe)	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
165	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Lead	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
166	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Lithium	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
167	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Magnesium (Mg)	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
168	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Manganese	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)

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169	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Nickel	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
170	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Nitrate Nitrogen	APHA 4500 NO3- B, 23rd Edition (UV Spectrophotometric)
171	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Nitrite Nitrogen (as NO2-N)	APHA 4500 NO2- B, 23rd Edition (Colorimetric)
172	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Odour	APHA 2150 B, 23rd Edition (Organoleptic)
173	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Oil and Grease	APHA 5520 B, 23rd Edition (Liquid –liquid partition Gravimetric method)
174	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	pH at 25ºC	APHA 4500 H-B, 23rd Edition (Electrometric)
175	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphorous	APHA 4500 P-D, 23rd Edition (Colorimetric)
176	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Potassium (K)	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
177	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Settalable Solids	APHA 2540 F, 23rd Edition (Gravimetric method)
178	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Silver	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
179	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Sludge Volume Index	APHA 2710 D, 23rd Edition (Gravimetric method)
180	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Sodium (Na)	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma Method)
181	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium Absorption Ratio (SAR)	IS:11624 (By Calculation)
182	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Sulphates (as SO4)	APHA 4500 SO4- E, 23rd Edition (Turbidimetric)
183	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Sulphide	APHA 4500 S2- B, 23rd Edition (Titrimetric method)
184	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Temperature	APHA 2550 B, 23rd Edition (Thermometric)
185	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Total dissolved Solids	APHA 2540 C, 23rd Edition (Gravimetric method)

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186	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Total Hardness (as CaCo3)	APHA 2340 C, 23rd Edition (EDTA Titrimetric method)
187	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Total Kjeldahl Nitrogen	APHA 4500 NOrg-B, 23rd Edition (Macro Kjeldahl method)
188	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Phenols	APHA 5530 D, 23rd Edition (Colorimetric method)
189	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Total Solids	APHA 2540 B, 23rd Edition (Gravimetric method)
190	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Total Suspended Solids	APHA 2540 D, 23rd Edition (Gravimetric method)
191	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Turbidity	APHA 2130 B, 23rd Edition (Nephelometric method)
192	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Volatile Solids	APHA 2540 E, 23rd Edition (Gravimetric method)
193	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Zinc	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
194	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acenaphthene	USEPA 8272 (Gas Chromatography)
195	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acenphthyne	USEPA 8272 (Gas Chromatography)
196	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Anthracene	USEPA 8272 (Gas Chromatography)
197	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Benzene	ASTM D6520_06 2012, (Gas Chromatography)
198	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Benzo(a)Pyrene	USEPA 8272 (Gas Chromatography)
199	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Benzo(ghi)perylene	USEPA 8272 (Gas Chromatography)
200	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Benzo[a]anthracene	USEPA 8272 (Gas Chromatography)
201	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Benzo[b]fluoranthene	USEPA 8272 (Gas Chromatography)
202	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Benzo[k]fluoranthene	USEPA 8272 (Gas Chromatography)
203	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Bromodichloromethane	ASTM D6520_06 (Gas Chromatography)

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204	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Bromoform	ASTM D6520_06 (Gas Chromatography)
205	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloroform	ASTM D6520_06 (Gas Chromatography)
206	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chrysene	USEPA 8272 (Gas Chromatography)
207	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dibenzo[a,h]anthracene	USEPA 8272 (Gas Chromatography)
208	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dibromochloromethane	ASTM D6520_06 (Gas Chromatography)
209	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ethyl Benzene	ASTM D6520_06 2012, (Gas Chromatography)
210	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fluoranthene	USEPA 8272 (Gas Chromatography)
211	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fluorene	USEPA 8272 (Gas Chromatography)
212	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Indeno(123-cd)Pyrene	USEPA 8272 (Gas Chromatography)
213	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Naphthalene	USEPA 8272 (Gas Chromatography)
214	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenanthrene	USEPA 8272 (Gas Chromatography)
215	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Pyrene	USEPA 8272 (Gas Chromatography)
216	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Toluene	ASTM D6520_06 2012, (Gas Chromatography)
217	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Xylene	ASTM D6520_06 2012, (Gas Chromatography)
218	CHEMICAL- RESIDUES IN WATER	Drinking Water	Boron	APHA 4500 B-C, 23rd Edition (Colorimetric)
219	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Acenaphthene	USEPA 8272 Gas Chromatography
220	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Acenphthyne	USEPA 8272 Gas Chromatography
221	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Aluminum (Al)	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)

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222	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Anthracene	USEPA 8272 Gas Chromatography
223	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Arsenic	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
224	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Benzo(a)Pyrene	USEPA 8272 Gas Chromatography
225	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Benzo(ghi)perylene	USEPA 8272 Gas Chromatography
226	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Benzo[a]anthracene	USEPA 8272 Gas Chromatography
227	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Benzo[b]fluoranthene	USEPA 8272 Gas Chromatography
228	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Benzo[k]fluoranthene	USEPA 8272 Gas Chromatography
229	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Bromide	APHA 4500 Br-B, 23rd Edition (Spectrophotometric)
230	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Cadmium	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
231	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Calcium (Ca)	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
232	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Chromium (Cr) total	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
233	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Chromium (Cr) total Hexavalent	APHA 3500 Cr-B, 23rd Edition (Colorimetric)
234	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Chrysene	USEPA 8272 Gas Chromatography
235	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Copper	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
236	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Dibenzo[a,h]anthracene	USEPA 8272 Gas Chromatography
237	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Fluoranthene	USEPA 8272 Gas Chromatography
238	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Fluorene	USEPA 8272 Gas Chromatography

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239	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Indeno(123-cd)Pyrene	USEPA 8272 Gas Chromatography
240	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Iron	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
241	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Lead	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
242	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Lithium	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
243	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Manganese	APHA 3120 B 23rd Edition 2017 Inductively Coupled Plasma (ICP) Method
244	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Mercury (Hg)	APHA 3120 B 23rd Edition 2017 Inductively Coupled Plasma (ICP) Method
245	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Naphthalene	USEPA 8272 Gas Chromatography
246	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Nickel	APHA 3120 B 23rd Edition 2017 Inductively Coupled Plasma (ICP) Method
247	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Phenanthrene	USEPA 8272 Gas Chromatography
248	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Pyrene	USEPA 8272 Gas Chromatography
249	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Silver	APHA 3120 B 23rd Edition 2017 Inductively Coupled Plasma (ICP) Method
250	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Sulphide	APHA 4500 –S2 B23rd Edition 2017 Titrimetric
251	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water, and Ground water, Wastewater (Effluent/Sewage)	Zinc	APHA 3120 B 23rd Edition 2017 Inductively Coupled Plasma (ICP) Method
252	CHEMICAL- RESIDUES IN WATER	Drinking water/ Surface water /Ground water	Benzene	ASTM D6520_06 2012, Gas Chromatography
253	CHEMICAL- RESIDUES IN WATER	Drinking water/ Surface water /Ground water	Ethyl Benzene	ASTM D6520_06 2012, Gas Chromatography
254	CHEMICAL- RESIDUES IN WATER	Drinking water/ Surface water /Ground water	Toluene	ASTM D6520_06 2012, Gas Chromatography

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255	CHEMICAL- RESIDUES IN WATER	Drinking water/ Surface water /Ground water	Xylene	ASTM D6520_06 2012, Gas Chromatography
256	CHEMICAL- RESIDUES IN WATER	Ground water	Boron	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
257	CHEMICAL- RESIDUES IN WATER	Ground Water	Boron	APHA 4500 B-C, 23rd Edition (Colorimetric)
258	CHEMICAL- RESIDUES IN WATER	Surface water	Aluminium	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
259	CHEMICAL- RESIDUES IN WATER	Surface water	Boron	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
260	CHEMICAL- RESIDUES IN WATER	Surface Water	Boron	APHA 4500 B-C, 23rd Edition (Colorimetric)
261	CHEMICAL- WATER	Drinking Water	Acidity (as CaCO3)	APHA 2310 B, (Titrimetric Method)
262	CHEMICAL- WATER	Drinking Water	Alkalinity (CaCO3)	APHA 2320 B, (Titrimetric Method)
263	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen (NH-3)	APHA 4500 NH3-F, 23rd Edition (Phenate Method)
264	CHEMICAL- WATER	Drinking Water	Biochemical Oxygen Demand (BOD @ 20ºC for 5 days)	APHA 5210 B, 23rd Edition Bio Assay (Titrimetric method)
265	CHEMICAL- WATER	Drinking Water	Biochemical Oxygen Demand (BOD @ 27ºC for 3 days)	IS 3025 (P-44) Bio Assay (Titrimetric method)
266	CHEMICAL- WATER	Drinking Water	Bromide	APHA 4500 Br-B, 23rd Edition (Spectrophotometric)
267	CHEMICAL- WATER	Drinking Water	Calcium (Ca)	APHA 3500 Ca-B, 23rd Edition (Titrimetric)
268	CHEMICAL- WATER	Drinking water	Carbon Dioxide	APHA 4500 CO2-C, 23rd Edition
269	CHEMICAL- WATER	Drinking Water	Chemical Oxygen Demand	APHA 5220 B-C, 23rd Edition (Open & Closed reflux method)
270	CHEMICAL- WATER	Drinking Water	Chloride	APHA 4500 Cl-B, (Argentometric)
271	CHEMICAL- WATER	Drinking Water	Chlorine Residual	APHA 4500 Cl-B, (Titrimetric Method)
272	CHEMICAL- WATER	Drinking Water	Colour	APHA 2120 B, (Colorimetric) Platinum Cobalt

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273	CHEMICAL- WATER	Drinking Water	Conductivity (Specific Conductance at 25°C)	APHA 2510 B, 23rd Edition (Electrometric)
274	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	APHA 4500 O-C, (Iodometric)
275	CHEMICAL- WATER	Drinking Water	Fixed Solid	APHA 2540 E, (Gravimetric Method)
276	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 4500 F-D, (Colorimetric)
277	CHEMICAL- WATER	Drinking Water	Magnesium (Mg)	APHA 3500 Mg-B, 23rd Edition By (calculation)
278	CHEMICAL- WATER	Drinking water	Nitrate Nitrogen	APHA 4500 NO3-B, (Spectrophotometric)
279	CHEMICAL- WATER	Drinking Water	Nitrite Nitrogen (as NO2-N)	APHA 4500 NO2-B, (Colorimetric)
280	CHEMICAL- WATER	Drinking Water	Odour	APHA 2550 B, (Organoleptic)
281	CHEMICAL- WATER	Drinking Water	pH at 25ºC	APHA 4500 H- B, (Electrometric)
282	CHEMICAL- WATER	Drinking Water	Phosphorous	APHA 4500 P-D, (Colorimetric)
283	CHEMICAL- WATER	Drinking Water	Potassium (K)	APHA 3120 B 23rd Edition 2017 Inductively Coupled Plasma (ICP) Method
284	CHEMICAL- WATER	Drinking Water	Sodium (Na)	APHA 3120 B 23rd Edition 2017 Inductively Coupled Plasma (ICP) Method
285	CHEMICAL- WATER	Drinking water	Sodium Absorption Ratio (SAR)	IS11624
286	CHEMICAL- WATER	Drinking Water	Sulphates (as SO4)	APHA 4500–So4 E, 23rd Edition 2017
287	CHEMICAL- WATER	Drinking Water	Sulphide	APHA 4500 –S2 B23rd Edition 2017 Titrimetric
288	CHEMICAL- WATER	Drinking Water	Temperature	APHA 2150 B Thermometric Method
289	CHEMICAL- WATER	Drinking Water	Total Dissolve Solids	APHA 2540 C Gravimetric Method
290	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	APHA 2340 C EDTA Titrimetric method
291	CHEMICAL- WATER	Drinking Water	Total Kjeldahl Nitrogen	APHA 4500 NOrg-B, (Macro Kjeldahl Method)
292	CHEMICAL- WATER	Drinking Water	Total Phenols	APHA 5530D 23rd Edition 2017 Colorimetric Method

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293	CHEMICAL- WATER	Drinking Water	Total Solids	APHA 2540 B Gravimetric Method
294	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	APHA 2540 D Gravimetric Method
295	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 2130 B Nephelometric Method
296	CHEMICAL- WATER	Ground Water	Acidity (as CaCO3)	APHA 2310 B, 23rd Edition (Titrimetric Method)
297	CHEMICAL- WATER	Ground water	Alkalinity (CaCO3)	APHA 2320 B, 23rd Edition (Titrimetric Method)
298	CHEMICAL- WATER	Ground water	Aluminium	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
299	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen (NH-3)	APHA 4500 NH3-F, 23rd Edition (Phenate Method)
300	CHEMICAL- WATER	Ground Water	Biochemical Oxygen Demand (BOD @ 20°C for 5 days	APHA 5210 B, 23rd Edition Bio Assay (Titrimetric method)
301	CHEMICAL- WATER	Ground Water	Biochemical Oxygen Demand (BOD @ 27°C for 3 days	IS: 3025 (P-44) Bio Assay (Titrimetric method)
302	CHEMICAL- WATER	Ground water	Bromide	APHA 4500 Br-B, 23rd Edition (Spectrophotometric)
303	CHEMICAL- WATER	Ground water	Calcium (Ca)	APHA 3500 Ca-B, 23rd Edition (Titrimetric)
304	CHEMICAL- WATER	Ground water	Carbon Dioxide	APHA 4500 CO2-C, 23rd Edition
305	CHEMICAL- WATER	Ground water	Chemical Oxygen Demand	APHA 5220 B-C, 23rd Edition (Open & Closed reflux method)
306	CHEMICAL- WATER	Ground Water	Chloride	APHA 4500 Cl-B, 23rd Edition (Argentometric)
307	CHEMICAL- WATER	Ground water	Chlorine Residual	APHA 4500 Cl-B, 23rd Edition (Titrimetric Method)
308	CHEMICAL- WATER	Ground Water	Colour	APHA 2120 B, 23rd Edition (Colorimetric Platinum Cobalt)
309	CHEMICAL- WATER	Ground Water	Conductivity (Specific Conductance at 25 °C)	APHA 2510 B, 23rd Edition (Electrometric)
310	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	APHA 4500 O-C, 23rd Edition (Iodometric)
311	CHEMICAL- WATER	Ground Water	Fixed Solid	APHA 2540 E, 23rd Edition (Gravimetric Method)

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312	CHEMICAL- WATER	Ground water	Fluoride	APHA 4500 F-D, 23rd Edition (Colorimetric)
313	CHEMICAL- WATER	Ground Water	Magnesium (Mg)	APHA 3500 Mg-B, 23rd Edition by (calculation)
314	CHEMICAL- WATER	Ground water	Nitrate Nitrogen	APHA 4500 NO3-B, 23rd Edition (Spectrophotometric)
315	CHEMICAL- WATER	Ground Water	Nitrite Nitrogen (as NO2-N)	APHA 4500 NO2-B, 23rd Edition (Colorimetric)
316	CHEMICAL- WATER	Ground water	Odour	APHA 2550 B, 23rd Edition (Organoleptic)
317	CHEMICAL- WATER	Ground Water	pH at 25 °C	APHA 4500 H-B, 23rd Edition (Electrometric)
318	CHEMICAL- WATER	Ground water	Phosphorous	APHA 4500 P-D, 23rd Edition (Colorimetric)
319	CHEMICAL- WATER	Ground Water	Potassium (K)	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma Method)
320	CHEMICAL- WATER	Ground Water	Sodium (Na)	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma Method)
321	CHEMICAL- WATER	Ground water	Sodium Absorption Ratio (SAR)	IS:11624-1986 By (Calculation)
322	CHEMICAL- WATER	Ground Water	Sulphates (as SO4)	APHA 4500 So4 -E, 23rd Edition (Spectrophotometric)
323	CHEMICAL- WATER	Ground water	Sulphide	APHA 4500 S2-B, 23rd Edition (Titrimetric)
324	CHEMICAL- WATER	Ground water	Temperature	APHA 2150 B, 23rd Edition (Thermometric Method)
325	CHEMICAL- WATER	Ground Water	Total Dissolve Solids	APHA 2540 C, 23rd Edition (Gravimetric Method)
326	CHEMICAL- WATER	Ground Water	Total Hardness (as CaCO3)	APHA 2340 C, 23rd Edition (EDTA Titrimetric method)
327	CHEMICAL- WATER	Ground Water	Total Kjeldahl Nitrogen	APHA 4500 NOrg-B, 23rd Edition (Macro Kjeldahl method)
328	CHEMICAL- WATER	Ground water	Total Phenols	APHA 5530 D, 23rd Edition (Colorimetric Method)
329	CHEMICAL- WATER	Ground Water	Total Solids	APHA 2540 B, 23rd Edition (Gravimetric Method)

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330	CHEMICAL- WATER	Ground Water	Total Suspended Solids	APHA 2540 D, 23rd Edition (Gravimetric Method)
331	CHEMICAL- WATER	Ground Water	Turbidity	APHA 2130 B, 23rd Edition (Nephelometric Method)
332	CHEMICAL- WATER	Surface Water	Acidity (as CaCO3)	APHA 2310 B 23rd Edition 2017 Titrimetric Method
333	CHEMICAL- WATER	Surface Water	Alkalinity (CaCO3)	APHA 2320 B, 23rd Edition (Titrimetric Method)
334	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen (NH-3)	APHA 4500 NH3-F, 23rd Edition (Phenate Method)
335	CHEMICAL- WATER	Surface Water	Biochemical Oxygen Demand (BOD @ 20 °C for 5 days	APHA 5210 B, 23rd Edition Bio Assay (Titrimetric method)
336	CHEMICAL- WATER	Surface Water	Biochemical Oxygen Demand (BOD @ 27 °C for 3 days	IS 3025 (P-44) Bio Assay (Titrimetric method)
337	CHEMICAL- WATER	Surface Water	Bromide	APHA 4500 Br-B, 23rd Edition 2017 Spectrophotometric
338	CHEMICAL- WATER	Surface Water	Calcium (Ca)	APHA 3500 Ca-B, 23rd Edition (Titrimetric)
339	CHEMICAL- WATER	Surface Water	Carbon Dioxide	APHA 4500 CO2-C, 23rd Edition
340	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	APHA 5220 B-C, 23rd Edition (Open & Closed reflux method)
341	CHEMICAL- WATER	Surface Water	Chloride	APHA 4500 Cl-B, 23rd Edition (Argentometric)
342	CHEMICAL- WATER	Surface Water	Chlorine Residual	APHA 4500 Cl-B, 23rd Edition (Titrimetric Method)
343	CHEMICAL- WATER	Surface Water	Colour	APHA 2120 B, 23rd Edition (Colorimetric) Platinum Cobalt
344	CHEMICAL- WATER	Surface Water	Conductivity (Specific Conductance at 25 °C)	APHA 2510 B, 23rd Edition (Electrometric)
345	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA 4500 O-C, 23rd Edition (Iodometric)
346	CHEMICAL- WATER	Surface Water	Fixed Solid	APHA 2540 E, 23rd Edition (Gravimetric Method)
347	CHEMICAL- WATER	Surface water	Fluoride	APHA 4500 F-D, 23rd Edition (Colorimetric)
348	CHEMICAL- WATER	Surface Water	Magnesium (Mg)	APHA 3500 Mg-B, 23rd Edition By (calculation)

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349	CHEMICAL- WATER	Surface Water	Nitrate Nitrogen	APHA 4500 NO3-B, 23rd Edition (Spectrophotometric)
350	CHEMICAL- WATER	Surface Water	Nitrite Nitrogen (as NO2-N)	APHA 4500 NO2-B, 23rd Edition (Colorimetric)
351	CHEMICAL- WATER	Surface Water	Odour	APHA 2150 B, 23rd Edition (Organoleptic)
352	CHEMICAL- WATER	Surface Water	Oil and Grease	APHA 5520 B, 23rd Edition (Liquid –liquid partition Gravimetric method)
353	CHEMICAL- WATER	Surface Water	pH at 25 °C	APHA 4500 H-B, 23rd Edition (Electrometric)
354	CHEMICAL- WATER	Surface Water	Phosphorous	APHA 4500 P-D, 23rd Edition (Colorimetric)
355	CHEMICAL- WATER	Surface Water	Potassium (K)	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
356	CHEMICAL- WATER	Surface Water	Sodium (Na)	APHA 3120 B, 23rd Edition (Inductively Coupled Plasma (ICP) Method)
357	CHEMICAL- WATER	Surface Water	Sodium Absorption Ratio (SAR)	IS:11624 By Calculation
358	CHEMICAL- WATER	Surface Water	Sulphates (as SO4)	APHA 4500 So4-E, 23rd Edition
359	CHEMICAL- WATER	Surface Water	Sulphide	APHA 4500 S2-B, 23rd Edition (Titrimetric)
360	CHEMICAL- WATER	Surface Water	Temperature	APHA 2550 B, 23rd Edition (Thermometric Method)
361	CHEMICAL- WATER	Surface water	Total Dissolve Solids	APHA 2540 C, 23rd Edition
362	CHEMICAL- WATER	Surface Water	Total Hardness (as CaCO3)	APHA 2340 C, 23rd Edition (EDTA Titrimetric method)
363	CHEMICAL- WATER	Surface Water	Total Kjeldahl Nitrogen	APHA 4500 NOrg-B, 23rd Edition (Macro Kjeldahl Method)
364	CHEMICAL- WATER	Surface water	Total Phenols	APHA 5530 D, 23rd Edition (Colorimetric Method)
365	CHEMICAL- WATER	Surface Water	Total Solids	APHA 2540 B, 23rd Edition (Gravimetric Method)
366	CHEMICAL- WATER	Surface Water	Total Suspended Solids	APHA 2540 D, 23rd Edition (Gravimetric Method)

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367	CHEMICAL- WATER	Surface water	Turbidity	APHA 2130 B, 23rd Edition (Nephelometric Method)
368	CHEMICAL- WATER	Waste water	Benzene	ASTM D6520_06 Gas Chromatography
369	CHEMICAL- WATER	Waste water	Ethyl Benzene	ASTM D6520_06 Gas Chromatography
370	CHEMICAL- WATER	Waste water	Toluene	ASTM D6520_06 Gas Chromatography
371	CHEMICAL- WATER	Waste water	Xylene	ASTM D6520_06 Gas Chromatography